

MEMORANDUM

Water Pollution Control Commission

Publication No. 69-e08

P. O. Box 829

OLYMPIA, WASHINGTON

WA-34-1020

98501

**TO: Dan Neal, Tom Haggarty,
Merley McCall Files**

DATE: November 10, 1969

FROM: Ron Lee

SUBJECT: Albion Survey

Bacteriological data collected on the south fork of the Palouse River and No Name Creek indicate that a suspected problem in reality does exist. Water in the Palouse River (south fork) upstream from Albion exhibits high levels of bacterial contamination to start with. As the river flows by Albion, an additional dose of bacterial contamination is injected via No Name Creek which flows through the center of town. Although the bacterial counts are somewhat variable, the data does suggest that a high degree of bacterial contamination is present in this area.

RL:lm

Attachments

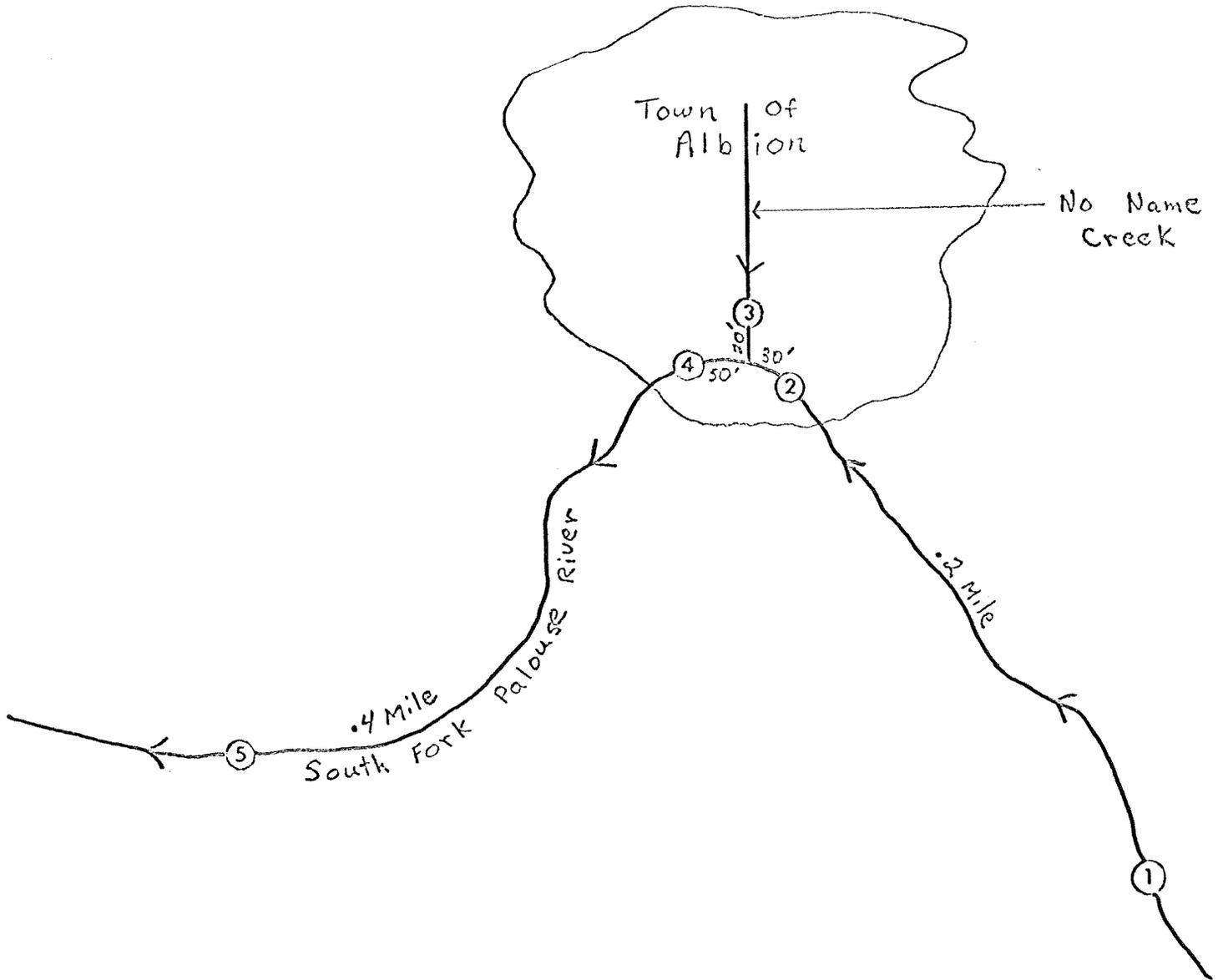
Table 1. Total coliform counts for water samples collected at five stations near Albion, Washington on 10/30/69.

Station	Time of Day					
	1000	1100	1200	1300	1400	1500
1	1900	5800	1100	$\frac{2700}{13000}$	9100	160
2	1400	3600	210	130	140	3300
3	29000	$\frac{15000}{18000}$	36000	59000	28000	11000
4	11000	8100	7800	7400	8300	$\frac{9300}{15000}$
5	13000	9000	9100	13000	12000	860

Note:

Total coliform count per 100/ml of sample.

Figure 1. Location of five water sampling stations above and below Albion, Washington.



STATE OF WASHINGTON
WATER POLLUTION CONTROL COMMISSION

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ANALYTICAL REPORT SHEET

To: Ron Lee

TH
Chem files

The following are the analytical results from survey conducted at:

Albion survey on 10/30/69

LAB. NO.	STATION NO.	TOTAL [ⓐ] COLIFORM	LAB NO.	STATION NO.	TOTAL [ⓐ] Coliform
69-4534	PALOUSE RIVER 1000	1900	69-4550	BELOW NO- NAME @ 1000	16,000
4535	" 1100	5800	-4555	" 1100	8,100
4536	" 1200	1,100	-4556	" 1200	7,800
4537	" 1300A	2,700	-4557	" 1300	7,400
4538	" 1300B	13,000	-4558	" 1400	8,300
4539	" 1400	9,100	-4559	" A 1500	9,300
4540	" 1500	160	-4560	" 1500	15,000
4541	S.F. PALOUSE RIVER 1000	1,400	-4561	S.F. PALOUSE R. 1000	13,000
4542	" 1100	3,600	-4562	" 1100	9,000
4543	" 1200	210	-4563	" 1200	9,100
4544	" 1300	130	-4564	" 1300	13,000
4545	" 1400	140	-4565	" 1400	12,000
4546	" 1500	3,300	-4566	" 1500	860
4547	NO NAME CREEK 1000	29,000			
4548	" A 1100	15,000			
4549	" B 1100	18,000			
4550	" 1200	36,000			
4551	" 1300	59,000			
4552	" 1400	28,000			
69-4553	BELOW NO- NAME @ 1500	11,000			

Notes: [ⓐ] Sheen colonies per 100 ml

Date 11/5/69

by Ronald Probst
Supervising Chemist